

NATURAL HISTORY MISCELLANEA

Published by
The Chicago Academy of Sciences
Lincoln Park - 2001 N. Clark St., Chicago 14, Illinois

No. 26

October 4, 1948

Checklist of Chicago Area Amphibians and Reptiles

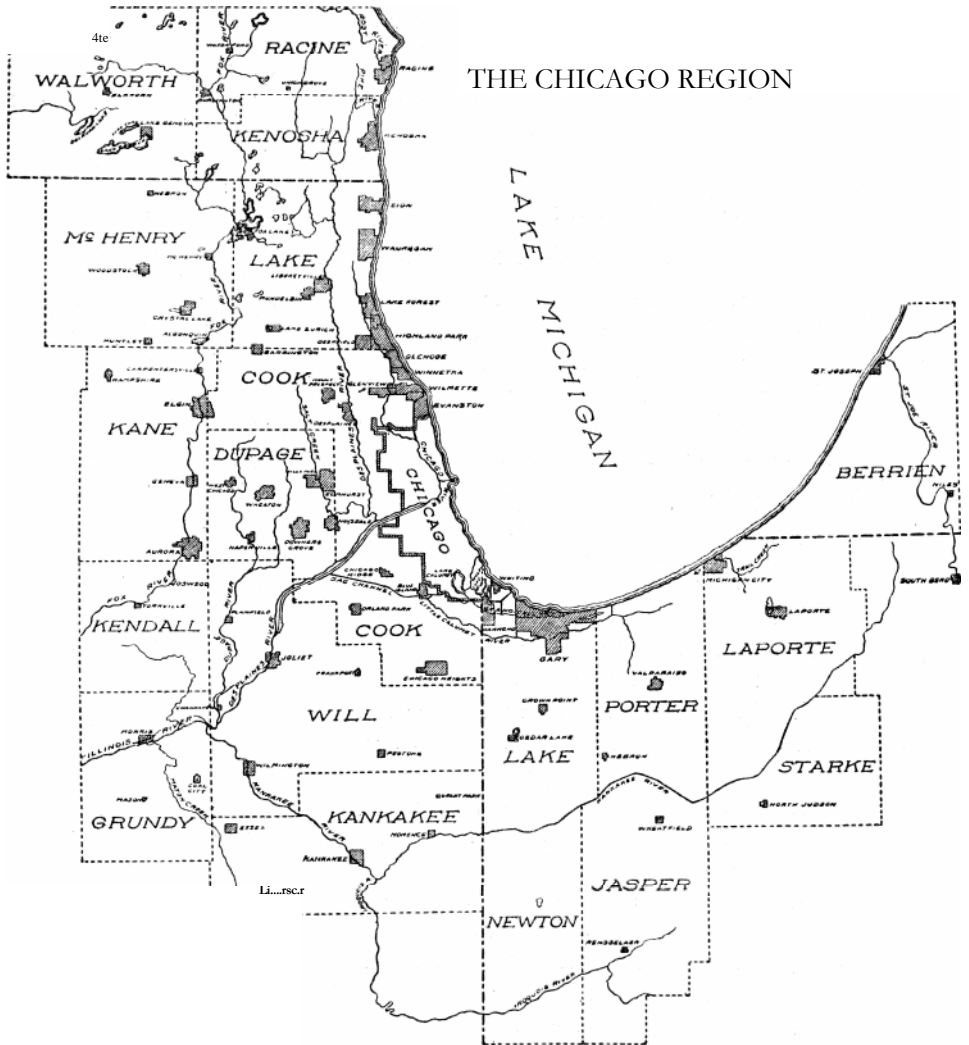
RICHARD A. EDGREN, JR. AND W. T. STILLE*

Interest in the reptiles and amphibians of the Chicago Area has resulted in the accumulation of large amounts of material which have greatly increased our knowledge of the ranges of the various species and subspecies found in the area. In an effort to provide the layman and specialist alike with these data in readily accessible form we are presenting here a list of these animals with the names of all counties in the area from which they have been reported. Further information and more detailed data can be found in the sources listed in the accompanying bibliography.

The Chicago Area has been defined as including all counties cut by a line at a radius of 50 miles from State and Madison Streets in Chicago (Schmidt and Necker, 1935, p. 58). This includes Kenosha, Racine, and Walworth Counties, Wisconsin; Cook, DuPage, Grundy, Kane, Kankakee, Kendall, Lake, McHenry, and Will Counties, Illinois; Jasper, Lake, LaPorte, Newton, Porter, and Starke Counties, Indiana; and Berrien County, Michigan (see map). It is of interest to note that within recent years local ecologists have been thinking of the area not only as an arbitrary political division but also as an ecological entity consisting of the headwaters of the Illinois River (Kankakee, DesPlaines, and Fox River drainage systems).

In no case has any single form been reported from all of the counties of the area. Such common species as the cricket frog, leopard frog, and common garter snake are known from all but one county, Kendall, where they are certainly expected to occur. That this is an artificial situation may be inferred by the fact that only the queen snake has been recorded from this county. Undoubtedly further collecting in this and other poorly represented counties will increase our knowledge of Chicago Area herpetology.

*Northwestern University and the University of Chicago.



A M P H I B I A

CAUDATA-Salamanders

Necturus maculosus maculosus (Rafinesque), Mudpuppy.

Illinois: Cook, DuPage, Kane, McHenry. Indiana: Lake, Porter.

Michigan: Berrien. Wisconsin: Racine.

Triturus viridescens louisianensis (Wolterstorff, Newt.

Illinois: Cook, DuPage, Lake. Indiana: Lake, LaPorte. Wisconsin: Walworth, Racine.

Ambystoma jeffersonianum (Green), Jefferson's Salamander.

Illinois: Cook, Lake. Indiana: Jasper, Lake, LaPorte, Porter. Michigan: Berrien. Wisconsin: Racine.

Ambystoma maculatum (Shaw), Spotted Salamander.

Illinois: Cook, DuPage, Lake, Will. Indiana: Porter. Michigan: Berrien.

Ambystoma opacum (Gravenhorst), Marbled Salamander.

Indiana: LaPorte, Porter.

Ambystoma texanum (Matthes), Small-mouthed Salamander.

Indiana: Jasper.

Ambystoma tigrinum tigrinum (Green), Tiger Salamander.

Illinois: Cook, DuPage, Kane, Lake, McHenry, Will. Indiana: Lake, Porter.

Michigan: Berrien. Wisconsin: Kenosha, Racine, Walworth.

Hemidactylum scutatum (Schlegel), Four-toed Salamander.

Illinois: Cook, Lake. Indiana: Porter. Wisconsin: Walworth.

Plethodon cinereus cinereus (Green), Red-backed Salamander. Illinois:

Cook. Indiana: Lake, LaPorte, Porter. Michigan: Berrien.

Plethodon glutinosus glutinosus (Green), Slimy Salamander.

Indiana: Jasper.

Eurycea bislineata bislineata (Green), Two-lined Salamander.

Illinois: Will. Michigan: Berrien (?).

Siren intermedia nettingi Goin, Siren.

Indiana: Jasper, Porter.

SALIENTIA Frogs and Toads

Bufo terrestris americanus (Holbrook), American Toad.

Illinois: Cook, DuPage, Kane, Lake, Will. Indiana: LaPorte, Porter.

Michigan: !Berrien. Wisconsin: Racine, Walworth.

Bufo woodhousii fowleri Hinckley, Fowler's Toad.

Illinois: Cook, Grundy, Kankakee, Lake. Indiana: Lake, LaPorte, Porter, Starke.

Michigan: Berrien.

***Acris crepitans* Baird, Cricket Frog.**

Illinois: Cook, DuPage, Grundy, Kane, Kankakee, Lake, McHenry, Will. Indiana: Jasper, Lake, LaPorte, Newton, Porter, Starke. Michigan: Berrien. Wisconsin: Kenosha, Racine, Walworth.

***Pseudacris nigrata triseriata* (Wied), Swamp Tree Frog.**

Illinois: Cook, DuPage, Kane, Kankakee, Lake, Will. Indiana: Lake, LaPorte, Newton, Porter. Michigan: Berrien. Wisconsin: Racine.

***Hyla crucifer crucifer* Wied, Spring Peeper.**

Illinois: Cook, Lake. Indiana: Lake, LaPorte, Newton, Porter. Michigan: Berrien.

***Hyla versicolor versicolor* (LeConte), Tree Frog.**

Illinois: Cook, Kankakee, Lake, McHenry, Will. Indiana: Lake, LaPorte, Newton, Porter. Michigan: Berrien. Wisconsin: Racine.

***Rana catesbeiana* Shaw, Bull Frog.**

Illinois: Cook, DuPage, Lake, McHenry. Indiana: Lake, LaPorte, Porter, Starke. Michigan: Berrien. Wisconsin: Racine.

***Rana clamitans* Latreille, Green Frog.**

Illinois: Cook, DuPage, Kane, Lake, McHenry, Will. Indiana: Jasper, LaPorte, Porter. Michigan: Berrien. Wisconsin: Kenosha, Racine, Walworth.

***Rana palustris* LeConte, Pickerel Frog.**

Illinois: Kane. Indiana: Porter. Michigan: Berrien. Wisconsin: Racine, Walworth.

***Rana pipiens* Schreber, Leopard Frog.**

Illinois: Cook, DuPage, Grundy, Kane, Kankakee, Lake, McHenry, Will. Indiana: Jasper, Lake, LaPorte, Newton, Porter, Starke. Michigan: Berrien. Wisconsin: Kenosha, Racine, Walworth.

***Rana sylvatica* (LeConte), Wood Frog.**

Illinois: Cook, Lake. Indiana: LaPorte, Porter. Michigan: Berrien. Wisconsin: Racine.

REPTILIA.

SAURIA-Lizards

***Ophisaurus ventralis* (Linné), "Glass Snake"; Glass-snake Lizard.**

Illinois: Cook, Grundy, Kankakee. Indiana: Jasper, Lake, Porter, Starke.

***Cnemidophorus sexlineatus* (Linné), Six-lined Race-runner.**

Illinois: Grundy, Kankakee. Indiana: Jasper, Lake, Porter, Starke.

***Pumeces fasciatus* (Linné), Blue-tailed Skink.**

Illinois: Cook. Indiana: Jasper, Lake, Porter. Michigan: Berrien.

Wisconsin: Kenosha, Racine, Walworth.

SERPENTES—Snakes***Heterodon contortrix contortrix* (Linn), Hog-nosed Snake.**

Illinois: Cook, Kankakee, Lake, Will. Indiana: Jasper, Lake, LaPorte, Porter.
Michigan: Berrien. Wisconsin: Walworth.

Ophedrys vernalis blanchardi* Grobman, Green Snake

Illinois: Cook, DuPage, Lake. Indiana: Jasper, Lake, Porter.
Wisconsin: Kenosha, Racine, Walworth.

***Coluber constrictor flaviventris* (Say), Blue Racer.**

Illinois: Cook, DuPage, Grundy, Kankakee, Will. Indiana: Lake, LaPorte, Porter.
Michigan: Berrien. Wisconsin: Walworth.

***Elaphe obsoleta obsoleta* (Say), Pilot Black Snake..**

Illinois: Cook. Indiana: Lake, LaPorte, Porter. Michigan: Berrien.

***Elaphe vulpina vulpina* (Baird and Girard), Fox Snake.**

Illinois: Cook, DuPage, Grundy, Kane, Kankakee, Lake, McHenry, Will.
Indiana: Jasper, Lake, Porter, Starke. Wisconsin: Racine.

***Pituophis catenifer sayi* (Schlegel), Bull Snake.**

Illinois: Grundy, Kankakee, Will. Indiana: Jasper, Newton.

***Lampropeltis triangulum triangulum* (Lacépède), Milk Snake.**

Illinois: Cook, DuPage, Kane, Kankakee, Lake, McHenry, Will. Indiana: Jasper,
Lake, LaPorte, Porter. Michigan: Berrien. Wisconsin: Kenosha, Racine, Wal-
worth.

***Natrix grahamii* (Baird and Girard), Graham's Water Snake.**

Illinois: Cook, Will.

***Natrix kirtlandii* (Kennicott), Kirtland's Water Snake.**

Illinois: Cook, DuPage. Indiana: Porter. Michigan: Berrien.

***Natrix septemvittata* (Say), Queen Snake.**

Illinois: Cook, DuPage, Grundy, Kendall, Lake, McHenry, Will. Indiana: Porter.
Wisconsin: Racine, Walworth.

***Natrix sipedon sipedon* (Linné), Common Water Snake.**

Illinois: Cook, DuPage, Grundy, Kankakee, Lake, Will. Indiana: Lake, LaPorte,
Porter, Starke. Michigan: Berrien. Wisconsin: Racine, Walworth.

***Storeria dekayi wrightorum* Trapido, DeKay's Snake.**

Illinois: Cook, DuPage, Kane, Kankakee, Lake, Will. Indiana: Jasper, Lake,
Porter, Starke. Wisconsin: Kenosha, Racine, Walworth.

*Specimens from the Indiana counties of the Chicago Area are this subspecies but those from the western counties are apparently intergrades between *blanchardi* and *vernalis*. For additional information see Grobman, Arnold B., A contribution to the knowledge of variation in *Ophedrys vernalis* (Harlan), with the description of a new subspecies, Misc. Publ. Mus. Zool., Univ. Michigan, no. 50, 1941, p. 1-38.

***Storeria occipitomaculata occipitomaculata* (Storer), Red-bellied Snake.**

Illinois: Cook, DuPage, Lake. Wisconsin: Racine.

***Thamnophis butleri* (Cope), Butler's Garter Snake.**

Wisconsin: Racine.

***Thamnophis radix* (Baird and Girard), Plains Garter Snake.**

Illinois: Cook, DuPage, Grundy, Kane, Kankakee, Lake, McHenry, Will.

Indiana: Lake, Porter. Wisconsin: Kenosha, Racine, Walworth.

***Thamnophis sauritus proximus* (Say), Ribbon Snake.**

Indiana: Jasper, Lake, Porter. Michigan: Berrien. Wisconsin: Racine.

***Thamnophis sirtalis sirtalis* (Linn), Common Garter Snake.**

Illinois: Cook, DuPage, Grundy, Kane, Kankakee, Lake, McHenry, Will.

Indiana: Jasper, Lake, LaPorte, Newton, Porter, Starke. Michigan: Berrien.

Wisconsin: Kenosha, Racine, Walworth.

***Sistrurus catenatus catenatus* (Rafinesque), Massasauga.**

Illinois: Cook, DuPage, Lake, Will. Indiana: LaPorte, Porter.

Michigan: Berrien. Wisconsin: Walworth.

TESTUDINATA-Turtles

***Sternotherus odoratus* (Latreille), Musk Turtle.**

Illinois: Cook, DuPage, Kankakee, Lake, McHenry. Indiana: Jasper, Lake,

LaPorte, Newton. Wisconsin: Racine, Walworth.

***Kinosternon subrubrum subrubrum* (Lacépède), Mud Turtle.**

Indiana: Jasper, Newton, Starke.

***Chelydra serpentina* (Linn), Snapping Turtle.**

Illinois: Cook, DuPage, Grundy, Kane, Kankakee, Lake, McHenry, Will.

Indiana: Jasper, Lake, Porter, Starke. Michigan: Berrien. Wisconsin: Racine, Walworth.

***Clemmys guttata* (Schneider), Spotted Turtle.**

Illinois: Cook, Will. Indiana: Jasper, LaPorte, Porter, Starke. Michigan: Berrien.

***Emys blandingii* (Holbrook), Blanding's Turtle.**

Illinois: Cook, DuPage, Kane, Kankakee, Lake, McHenry, Will. Indiana: Jasper,

Lake, Newton, Porter, Starke. Michigan: Berrien. Wisconsin: Racine, Walworth.

***Terrepenne carolina carolina* (Linné), Common Box Turtle.**

Indiana: Jasper, LaPorte, Porter. Michigan: Berrien.

***Terrepenne ornata* (Agassiz), Ornate Box Turtle.**

Illinois: Kankakee, Will. Indiana: Jasper, Newton, Starke.

***Graptemys geographica* (LeSueur), Map Turtle.**

Illinois: Grundy, Kankakee, Lake, Will. Indiana : Lake, Porter. Michigan: Berrien.

Chrysemys picta marginata (Agassiz), Painted Turtle. *

Illinois: Cook, DuPage, Grundy, Kane, Kankakee, Lake, McHenry, Will.

Indiana: Jasper, Lake, LaPorte, Newton, Porter, Starke. Michigan: Berrien.

Wisconsin: Kenosha, Racine, Walworth.

Pseudemys scripta troostii (Holbrook), Troost's Turtle.

Illinois: Cook, Kankakee. Indiana: Lake, Porter.

Amyda spinifera spinifera (LeSueur), Spiny Soft-shelled Turtle.

Illinois: Cook, Grundy, Kane, Kankakee, McHenry. Indiana: Jasper, Lake.

Michigan: Berrien. Wisconsin: Racine.

BIBLIOGRAPHY

Necker, Walter L.

- 1939 Records of amphibians and reptiles of the Chicago region, 1935-1938. Bull. Chicago Acad. Sci., vol. 6, no. 1, p. 1-10.

Pope, Clifford H.

- 1944 Amphibians and reptiles of the Chicago Area. Chicago Nat. Hist. Mus., p. 1-275, pl. 1-12, fig. 1-50.

Schmidt, Karl P.

- 1929 The frogs and toads of the Chicago Area. Field Mus. Nat. Hist. Zool. Leaflet 11, p. 1-15, pl. 1-5.
1930 The salamanders of the Chicago Area. *Ibid.*, 12, p. 1-16, pl. 1-4.
1938 Turtles of the Chicago Area. *Ibid.*, 14, p. 1-24, fig. 1-10, pl. 1, 2.

Schmidt, K. P. and Walter L. Necker

- 1935 Amphibians and reptiles of the Chicago region. Bull. Chicago Acad. Sci., vol. 5, no. 4, p. 57-77, 1 map.

Stale, W. T. and Richard A. Edgren, Jr.

- 1948 New records for amphibians and reptiles in the Chicago Area, 1939-1947. Bull. Chicago Acad. Sci., vol. 8, no. 7, p. 195-202.

Williams, Eliot C., Jr.

- 1947 The terrestrial form of the newt, *Triturus viridescens*, in the Chicago region. Chicago Acad. Sci., Nat. Hist. Misc., no. 5, p. 1-3.

*Specimens from the eastern part of the Chicago Area are apparently typical of the mid-western subspecies, *marginata*; whereas, those from Illinois, and especially those from Wisconsin frequently show intergradation with the western subspecies, *bellii*. For additional information see Bishop, S. C. and F. J. W. Schmidt, The painted turtles of the genus *Chrysemys*, Field Mus. Nat. Hist., Zoological Series, vol. 18, 1931, no. 4, p. 123-139, fig. 1-27; Cahn, Alvin R., The turtles of Illinois, Ill. Biol. Monog., vol. 16, 1937, no. 1-2, p. 1-218, pl. 1-31, maps 1-20; Park, Orlando, W. C. Allee and V. E. Shelford, A laboratory introduction to animal ecology and taxonomy, Univ. Chicago Press, 1939, p. x+272, pl. 1-17.

Natural History Miscellanea, a series of miscellaneous papers initiated in 1946 as an outlet for original articles, more or less technical in nature, one to four pages in length, in any field of natural history. Individual issues, published at irregular intervals, are numbered separately and represent only one field of specialization; e. g., botany, geology, entomology, herpetology, etc. The series is distributed to libraries and scientific organizations with which the Academy maintains exchanges. A title page and index will be supplied to these institutions when a sufficient number of pages to form a volume have been printed. Individual specialists with whom the museum or the various authors maintain exchanges receive those numbers dealing with their particular fields of interest. A reserve is set aside for future exchanges and a supply of each number is available for sale at a nominal price. Authors may obtain copies for their personal exchanges at the prevailing rates for similar reprints.

H. K. Gloyd, Director of the Museum.

Committee on Publications:

Alfred Emerson, Hanford Tiffany, and C. L. Turner.